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PATENT

C. J. C.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 7,483,474
Issue Date : January 27, 2009
Inventor : Frank Heinle

Docket No. : 853563.432USPC
Date : April 27, 2009

Mail Stop Certificate of Correction
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Certificate

MAY 05 2009

of Correction

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents:

A certificate of correction is respectfully requested in the above-identified patent.
The following errors have been made:

On the face of the patent, (57) Abstract, the section "Stations like mobile terminals, bases stations and network nodes comprising rake receivers with fingers require relatively many calculations to be performed for despreading a symbol. By replacing despreading multipliers, integrators and dumpers in the fingers by Hadamard transformers (62), chips of several symbols with orthogonal channelization codes can be despread simultaneously, and, the station and the rake receiver have become more efficient. The despreading section (60 of the finger (34) comprises the Hadamard transformer (62) and a serial-to-parallel converter (61) comprising downsamplers (71-73). The station is a high-speed downlink packet access station (HSDPA) in a universal mobile telecommunication system (UMTS), with a number of de-channelization codes used being at least ten percent of a despreading factor used. For example, the despreading factor used is equal to sixteen, with the maximum possible number of de-channelization codes used being equal to five, ten or fifteen, depending on the capability class of the station." is erroneous and instead should read as -- Stations like mobile terminals, bases stations and network nodes comprising rake receivers with fingers require relatively many calculations to be performed for despreading a symbol. By replacing despreading multipliers, integrators and dumpers in the fingers by Hadamard transformers, chips of several symbols with orthogonal channelization codes can be despread simultaneously, and the station and the rake receiver become more efficient. The despreading section of the finger comprises the Hadamard transformer and a serial-to-parallel converter comprising downsamplers. The station is a high-speed downlink packet access station (HSDPA) in a universal mobile telecommunication system (UMTS), with a number of de-channelization codes used being at least ten percent of a despreading factor used. For example, the despreading factor used is equal to sixteen, with the maximum possible number of de-channelization codes used being equal to five, ten or fifteen, depending on the capability class of the station. --.

In column 6, claim 1, lines 62-63, the section "of de-channelization codes used being at least ten percent of despreading factor used." is erroneous and instead should read as -- of de-channelization codes used being at least ten percent of a despreading factor used. -- pursuant to the amendment of July 29, 2008.

In column 6, claim 2, lines 64-66, the section "wherein the finger comprise a descrambling section and a despreading section, which despreading section comprise the Hadamard" is erroneous and instead should read as -- wherein the finger comprises a descrambling section and a despreading section, which despreading section comprises the Hadamard --.

In column 7, claim 3, line 5, the section "despreading section further comprise a serial-parallel" is erroneous and instead should read as -- despreading section further comprises a serial-parallel --.

In column 7, claim 4, line 17, the section "finger and further finger signal destned for the further" is erroneous and instead should read as -- finger and further finger signal destined for the further --.

In column 8, claim 7, line 17, the section "providing an output to a Hadamard transformer, wherein, the" is erroneous and instead should read as -- providing an output to a Hadamard transformer, wherein the --.

The errors are of a clerical nature, are of minor character, would not constitute new matter or require reexamination, and were made in good faith.

Attached is the certificate of correction, which indicates the corrections to be made, by reference to the category and page number in the printed patent. The Director is hereby authorized to charge payment of any fees associated with this communication only to Deposit Account No. 19-1090.

Respectfully submitted,
SEED Intellectual Property Law Group PLLC



Robert Iannucci
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RXI:at

Enclosures:

Certificate of Correction
Postcard

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 7,483,474 B2
DATED : January 27, 2009
INVENTOR : Frank Heinle

It is certified that an error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On the Face of the Patent

Section (57) Abstract, "Stations like mobile terminals, bases stations and network nodes comprising rake receivers with fingers require relatively many calculations to be performed for despreading a symbol. By replacing despreading multipliers, integrators and dumpers in the fingers by Hadamard transformers (62), chips of several symbols with orthogonal channelization codes can be despreaded simultaneously, and the station and the rake receiver have become more efficient. The despreading section (60 of the finger (34) comprises the Hadamard transformer (62) and a serial-to-parallel converter (61) comprising downsamplers (71-73). The station is a high-speed downlink packet access station (HSDPA) in a universal mobile telecommunication system (UMTS), with a number of de-channelization codes used being at least ten percent of a despreading factor used. For example, the despreading factor used is equal to sixteen, with the maximum possible number of de-channelization codes used being equal to five, ten or fifteen, depending on the capability class of the station." should read as -- Stations like mobile terminals, bases stations and network nodes comprising rake receivers with fingers require relatively many calculations to be performed for despreading a symbol. By replacing despreading multipliers, integrators and dumpers in the fingers by Hadamard transformers, chips of several symbols with orthogonal channelization codes can be despreaded simultaneously, and the station and the rake receiver become more efficient. The despreading section of the finger comprises the Hadamard transformer and a serial-to-parallel converter comprising downsamplers. The station is a high-speed downlink packet access station (HSDPA) in a universal mobile telecommunication system (UMTS), with a number of de-channelization codes used being at least ten percent of a despreading factor used. For example, the despreading factor used is equal to sixteen, with the maximum possible number of de-channelization codes used being equal to five, ten or fifteen, depending on the capability class of the station.--

Column 6

Lines 62-63, "of de-channelization codes used being at least ten percent of despreading factor used." should read as -- of de-channelization codes used being at least ten percent of a despreading factor used. --

Lines 64-66, "wherein the finger comprise a descrambling section and a despreading section, which despreading section comprise the Hadamard" should read as -- wherein the finger comprises a descrambling section and a despreading section, which despreading section comprises the Hadamard --

Column 7

Line 5, "despreading section further comprise a serial-parallel" should read as -- despreading section further comprises a serial-parallel --

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CERTIFICATE OF CORRECTION

PATENT NO : 7,483,474 B2
DATED : January 27, 2009
INVENTOR : Frank Heinle

It is certified that an error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Column 7

Line 17, "finger and further finger signal destned for the further" should read as -- finger and further finger signal destined for the further --

Column 8

Line 17, "providing an output to a Hadamard transformer, wherein, the" should read as -- providing an output to a Hadamard transformer, wherein the --

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PATENT NO. 7,483,474 B2

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